

WHAT IS CLAIMED IS:

- 1 1. A satellite value added communication system, comprising:
 - 2 a communication satellite;
 - 3 a satellite earth station which communicates with the
 - 4 communication satellite;
 - 5 a satellite communication terminal which
 - 6 transmits/receives information to/from the communication
 - 7 satellite; and
 - 8 an information distribution center which connects to the
 - 9 satellite earth station and controls transmission/receiving of
 - 10 the information to/from the satellite communication terminal,
 - 11 wherein the information distribution center holds a list
 - 12 of the information to be transmitted to the satellite
 - 13 communication terminal and a transmission schedule of the
 - 14 information, and transmits the information to the satellite
 - 15 communication terminal in accordance with the transmission
 - 16 schedule.
- 1 2. The satellite value added communication system according to
- 2 claim 1,
 - 3 wherein the information distribution center updates the
 - 4 list of the information and the transmission schedule of the
 - 5 information.
- 1 3. The satellite value added communication system according to
- 2 claim 1,
 - 3 wherein the information distribution center notifies at
 - 4 least one of the list of the information and the transmission

5 schedule of the information to the satellite communication
6 terminal.

1 4. The satellite value added communication system according to
2 claim 1,

3 wherein the information to be transmitted to the satellite
4 communication terminal is information which the information
5 distribution center has received through a ground network.

1 5. The satellite value added communication system according to
2 claim 4,

3 wherein the information distribution center saves the
4 information.

1 6. The satellite value added communication system according to
2 claim 1,

3 wherein the information distribution center controls
4 communications among a plurality of predetermined terminals
5 which connect thereto.

1 7. The satellite value added communication system according to
2 claim 6,

3 wherein the information distribution center specifies the
4 plurality of predetermined terminals based on requests therefrom,
5 and sends advance notices to the plurality of terminals prior
6 to information transmission.

1 8. The satellite value added communication system according to

2 claim 6,

3 wherein the terminals include a terminal which connects
4 to a ground network, and the satellite communication terminal.

1 9. The satellite value added communication system according to
2 claim 1,

3 wherein the information distribution center connects to
4 a ground network based on a request from the satellite
5 communication terminal, and transmits, to the satellite
6 communication terminal, information to be provided by an
7 information provider.

1 10. The satellite value added communication system according
2 to claim 1,

3 wherein the information distribution center connects to
4 a ground network, and controls the transmission/receiving of
5 the information to/from a communication terminal which connects
6 to the ground network.

1 11. The satellite value added communication system according
2 to claim 1,

3 wherein the satellite communication terminal includes a
4 device which controls the transmission/receiving of the
5 information to/from the information distribution center.

1 12. The satellite value added communication system according
2 to claim 1, further comprising a communication terminal which
3 receives the information from the communication satellite and

4 transmits a signal to the information distribution center through
5 a ground network.

6

7 13. The satellite value added communication system according
8 to claim 10,

9 wherein the ground network includes at least one of the
10 Internet, a mobile network and a public switched telephone
11 network.

1 14. The satellite value added communication system according
2 to claim 1,

3 wherein the information distribution center connects to
4 another satellite communication system, and controls the
5 transmission/receiving of the information to/from a satellite
6 communication terminal of the another satellite communication
7 system.

1 15. A satellite value added communication control apparatus that
2 controls distribution of information to a satellite
3 communication terminal, the apparatus comprising:

4 a server which holds information received through a ground
5 network;

6 a list of information to be transmitted to the satellite
7 communication terminal and a transmission schedule of the
8 information;

9 a control unit that updates at least one of the list and
10 the transmission schedule;

11 a transmission control circuit that controls the

12 transmission of the information in the server in accordance with
13 the transmission schedule; and

14 a real time communication control unit that controls a
15 real time communication.

1 16. The satellite value added communication control apparatus
2 according to claim 15,

3 wherein the control apparatus connects to the ground
4 network, and controls transmission/receiving of the information
5 between a communication terminal that connects to the ground
6 terminal and a satellite communication terminal.

1 17. The satellite value added communication control apparatus
2 according to claim 15, further comprising means for monitoring
3 usage of a line to a satellite earth station and controlling
4 usage of the line.

1 18. The satellite value added communication control apparatus
2 according to claim 15, further comprising means for monitoring
3 an amount of information received from the ground network and
4 controlling transmission of the information to a terminal.

1 19. The satellite value added communication control apparatus
2 according to claim 18,

3 wherein the means delays the transmission of the
4 information to the terminal for a predetermined period of time
5 when the amount of information received from the ground network
6 is a predetermined amount or more.

1 20. The satellite value added communication control apparatus
2 according to claim 15,

3 wherein the control apparatus is included in a satellite
4 communication system, connects to another satellite
5 communication system, and controls transmission/receiving of
6 the information to/from the another satellite communication
7 system.

1 21. The satellite value added communication control apparatus
2 according to claim 15, further comprising means for connecting
3 to the Internet based on a request from a terminal and transmitting,
4 to the terminal, information to be provided by an information
5 provider.

1 22. The satellite value added communication control apparatus
2 according to claim 15,

3 wherein the control unit transmits the transmission
4 schedule of the information to a terminal.

1 23. The satellite value added communication control apparatus
2 according to claim 15, further comprising a conference control
3 unit that controls a conference among a plurality of satellite
4 communication terminals.

1 24. The satellite value added communication control apparatus
2 according to claim 23,

3 wherein the conference control unit controls a conference

4 among a plurality of communication terminals that connect to
5 the ground network and the satellite communication terminals.